

FIG. 1

1 ATGACGTGGCCGTGGCGGGCGGTGGCGCGCGCTGCTCCTGGCTGTTCGACGG 60
 M Q W A V G R R W A A L L A V A A
 61 GTGCTACCCAGTCTGTGGCTCTGGCTACGAGAGTTCGCTTCAGCGGAA 120
 V L T Q V V W L W L G T Q S F V F Q R E
 121 GAGTAGCGGAGTTGGCGGGCAGTACGCTGGCTGACCACGAGCTGGCCCTCTCTCGT 180
 E I A Q L A R Q Y A G L D H E L A F S R
 181 CTGATCGTGGAGCTGGCGGGCTGCACCCAGGCCACGTGCTGCCCGACGAGAGCTGCAG 240
 L I V E L R R L H P G H V L P D E E L Q
 241 TGGGTCTTCGTGAATGCGGGTGGCTGGATGGCGGCCCATGTGCTTCTGCAGCCTCGCTG 300
 W V F V N A G G W M G A M C L L H A S L
 301 TCCGAGTAGTGTGCTCTTCGGCACCGCCTTGGGCTCCCGCGGCCACTCGGGGGAGACG 360
 S E Y V L L F G T A L G S R G H S G E T
 361 GTAGTACACGGCCCTGTTGAGGCAACAGCTGTGGAGTGGGGGCCAAACACATGGATGGTG 420
 V V H G P G E A T A V E W G P N T W M V
 421 GAGTACGGCGGGGCGTCAATCCCATCCACCTTGGCCTTCGCGTGGCCGACACTGTCTTC 480
 E Y G R G V I P S T L A F A L A D T V F
 481 AGCACCCAGGACTTCCTCACCCCTCTTATACCTTCCTGCTCCTATGCTCGGGCCCTCCGG 540
 S T Q D F L T L F Y T L R S Y A R G L R
 541 CTTGAGCTACCACTACCTCTTTGGCCAGGACCCCTTGA 579
 L E L T T Y L F G Q D P *

FIG. 2

1	MQWAVGRRWAWAALLLAVAAVLTQVVWLWLGTSFVFQREEIAQLARQYA	50
1	MQWAVGRRWAWAALLLAVAAVLTQVVWLWLGTSFVFQREEIAQLARQYA	50
51	GLDHELAFSRLIIVELRRLHPGHVLPDEELQWVFVNAGGWMGAMCLLHASL	100
51	GLDHELAFSRLIIVELRRLHPGHVLPDEELQWVFVNAGGWMGAMCLLHASL	100
101	SEYVLLFGTALGSRGHSGRYWAIEISDTIISGTFHQWREGTTKSEVFYPGE	150
101	SEYVLLFGTALGSRGHS (117) [31 AA WERE DELETED] GE	119
151	TVVHGPGEATAVEWGPNTWMVEYGRGVIPSTLAFALADTVFSTQDFLLTF	200
120	TVVHGPGEATAVEWGPNTWMVEYGRGVIPSTLAFALADTVFSTQDFLLTF	169
201	YTLRSYARGLRLELITTYLFGQDP	223 AA HUMAN σ_1 RECEPTOR PROTEIN
170	YTLRSYARGLRLELITTYLFGQDP	192 AA HUMAN $\sigma_{1\beta}$ RECEPTOR PROTEIN

FIG. 3

1 ATGCGTGGCCGCGGACGGCGTGGGCATGGATCACCTGATTCTGACTATTATCGCA 60
 M P W A A G R R W A W I T L I L T I I A
 61 GTGCTGATCCAGGCCCTGTTGTGGCTGGCACTCAAACTTCGTCTTCTTAGAGAA 120
 V L I Q A A W L W L G T Q N F V F S R E
 121 GAAATAGCCAGCTTGCTCGACAGTATCGGGGCTGGACCATGAGCTTGCTTCTCTCGG 180
 E I A Q L A R Q Y A G L D H E L A F S R
 181 CTGATCTGGAGCTGCGGAGGCTGCACCCAGGCCACGTGTGCCGATGAGGAGTGCAG 240
 L I V E L R R L H P G H V L P D E E L Q
 241 TGGTATTGTGAACGGGGCGGCTGGATGGCGGCCATGTATTCTGCACGCCCTCGCTG 300
 W V F V N A G G W M G A M C I L H A S L
 301 TCTGAGTACGTGCTCTTTCGGCACGCCCTGGGCTCCCATGGCCATTGGGGAGAGACA 360
 S E Y V L L F G T A L G S H G H S G E T
 361 GTTGTTACAGGGCCTGGAGAAGCAACGGCTCTGGAGTGGGACCAAAACACGTGGATGTG 420
 V V H G P G E A T A L E W G P N T W M V
 421 GAGTACGGCCGGGGTGTATTCCGTCTACCTGTTCCTTTGCACTAGCCGACACCTTCTTC 480
 E Y G R G V I P S T L F F A L A D T F F
 481 GGCACCCAAGACTACCTCACACTCTTCTATACCCCTTCGGGCCTATGCCGGGGCTCCGG 540
 G T Q D Y L T L F Y T L R A Y A R G L R
 541 CTTGAGCTTACACCTTACCTTTTGGCCAAGACTCCTGA 579
 L E L T T Y L F G Q D S *

1 MPWAAGRRWAWITLILTIIA~~VLI~~QA~~AWL~~WLG~~TQN~~FVFSR~~EIE~~AQ~~LAR~~QYA 50
 1 MPWAAGRRWAWITLILTIIA~~VLI~~QA~~AWL~~WLG~~TQN~~FVFSR~~EIE~~AQ~~LAR~~QYA 50

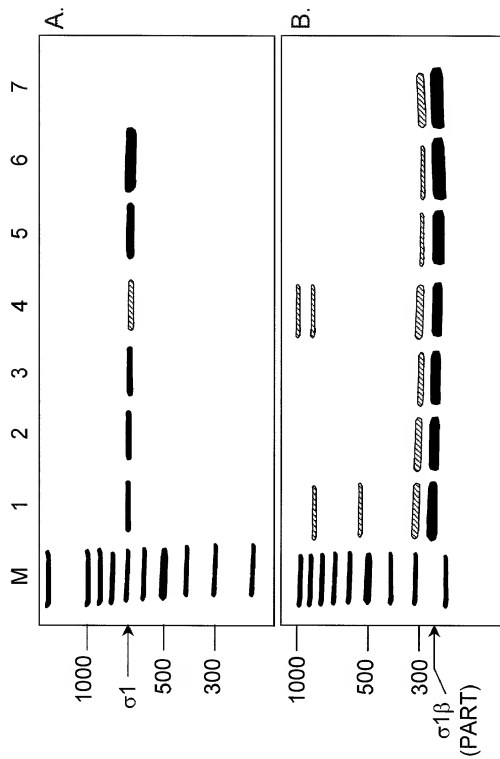
 51 GLDHELAFSRLIVELRRLHPGHVLPDEELQWVFNAGGWMGMCILHASL 100
 51 GLDHELAFSRLIVELRRLHPGHVLPDEELQWVFNAGGWMGMCILHASL 100

 101 SEYVLLFGTALGSHGSGRYWAEISDTIISGTFHQWKEGTTKSEVFYPGE 150
 101 SEYVLLFGTALGSHGHS (117) [31 AA WERE DELETED] GE 119

 151 TVVHGPGEATALEWGPNTWMVEYGRGVIPSTLFFALADTFFGTQDYLTLF 200
 120 TVVHGPGEATALEWGPNTWMVEYGRGVIPSTLFFALADTFFGTQDYLTLF 169

 201 YTLRAYAGRLRL~~EL~~TYLFGQDS* 223 AA σ_1 RECEPTOR PROTEIN
 170 YTLRAYAGRLRL~~EL~~TYLFGQDS* 192 AA $\sigma_{1\beta}$ RECEPTOR PROTEIN

FIG. 5

FIG. 6

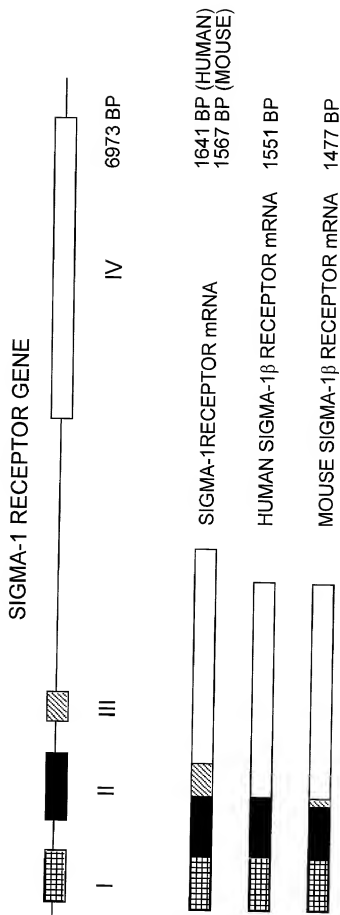


FIG. 7